

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. DAVI192.001AUS	APPLICATION NO. 10/811,401
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT MA et al.	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE July 1, 2003	GROUP Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

EXAMINER
INITIAL

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

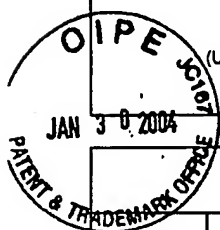
1	"Single-tube three dimensional scanner for scanning tunneling microscopy" by Binning et al; Rev. Sci. Instrum. 57 (August 1986); pages 1688-1989
2	"An ultrasonic micromotor using a bending cylindrical transducer based on PZT thin film" by Morita et al; Sensors and Actuators A 50 (1995); pages 75-80
3	"A cylindrical shaped micro ultrasonic motor utilizing PZT thin film (1.4mm in diameter and 5.0mm long stator transducer)" by Morita et al; Sensors and Actuators 83 (2000); pages 225-230
4	"A Cylindrical Micro Ultrasonic Motor Using PZT Thin Film Deposited by Single Process Hydrothermal Method (ϕ 2.4mm, L = 10mm Stator Transducer)" by Morita et al; IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, Vol. 45, No. 5 (September 1998); pages 1178-1187
5	"A Cylindrical Ultrasonic Micro Motor Based on PZT Thin Film" by Kurosawa et al; IEEE Ultrasonics Symposium (1994); pages 549-552
6	"A micro ultrasonic motor fabricated by hydrothermal method (1.4mm in diameter and 5mm in length stator transducer)" by Morita et al; IEEE Ultrasonic Symposium (1998); pages 671-674

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EXAMINER	DATE CONSIDERED
6/11/02	1/11/02

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. DAVI192.001AUS	APPLICATION NO. 10/611,401
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT MA et al.	
		FILING DATE July 1, 2003	GROUP 1753



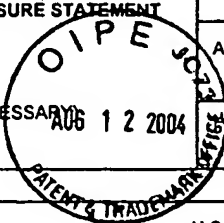
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
6	1	US 6,388,364	05/14/02	Cremer et al.			

EXAMINER INITIAL	OTHER DOCUMENTS	
6	2	"Electrophoretic Deposition of Advanced Ceramics" by CHENG et al; <i>Processing and Fabrication of Advanced Materials VIII</i> (2000); pages 517-524
	3	"Properties of Modified Lead Zirconate Titanate Ceramics Prepared at Low Temperature (800°C) by Hot Isostatic Pressing" by LI et al; <i>J. Am. Ceram. Soc.</i> 83 (2000); pages 955-957
	4	"Design of a Cylindrical Ultrasonic Micromotor to Obtain Mechanical Output" by MORITA et al; <i>Jpn. J. Appl. Phys.</i> Vol. 35 (1996); pages 3251-3254
	5	"Cylindrical Micro Ultrasonic Motor Utilizing Bulk Lead Zirconate Titanate (PZT)" by MORITA et al; <i>Jpn. J. Appl. Phys.</i> Vol. 38 (1999); pages 3347-3350
	6	"Effect of Shear Stress on Sintering" by RAHAMAN et al; <i>J. Am. Ceram. Soc.</i> 69 (1986); pages 53-58
	7	"Loss Mechanisms in Piezoelectrics: How to Measure Different Losses Separately" by UCHINO et al; <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> Vol. 48 (2001); pages 307-321
	8	"Compact Ultrasonic Rotary Motors" by UCHINO et al; <i>Ferroelectrics</i> Vol. 257 (2001); pages 3-12
	9	"Analysis of Bending Displacement of Lead Zirconate Titanate Thin Film Synthesized by Hydrothermal Method" by OHBA et al; <i>Jpn. J. Appl. Phys.</i> Vol. 32 (1993); pages 4095-4098
	10	"Piezoelectric Properties of Niobium-Doped $[Pb(Sc_{1/2}Nb_{1/2})_{1-x}Ti_x]O_3$ Ceramics Material near the Morphotropic Phase Boundary" by YAMASHITA et al; <i>Jpn. J. Appl. Phys.</i> Vol. 33 (1994); pages 4652-4656
	11	"Piezoelectric tubes and tubular composites for actuator and sensor applications" by ZHANG et al; <i>J. Mater. Sci.</i> 28 (1993); pages 3962-3968
	12	"Design and Fabrication of a High Performance Multilayer Piezoelectric Actuator with Bending Deformation" by YAO et al; <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> Vol. 46 (1999); pages 1020-1027
	13	"Electromechanical Properties of Composite Bending-Type Transducers" by MARUTAKE et al; <i>Jpn. J. Appl. Phys.</i> Vol. 34 (1995); pages 5284-5287
	14	"Ba(Ti _{1.5/4x} Nb _x)O ₃ Relaxor Ferroelectrics" by ZHANG et al; <i>Ferroelectrics Letters</i> Vol. 29 (2002); pages 125-130

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EXAMINER	DATE CONSIDERED
6	1/11/07
*EXAMINER: INITIAL IF CITATION CONSIDERED. WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. SMARB12.002AUS	APPLICATION NO. 10/611,401
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANTS (1) Jan MA (2) Yin Chiang BOEY	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE July 1, 2003	GROUP 1753



U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
b	1	US 5,147,281	09/1992	Thornton et al.	/	/	

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
b	2	GB 2 054 756	02/1981	Great Britain	/	/	n/a	
	3	GB 2 002 052	02/1979	Great Britain	/	/	n/a	
	4	EP 0 173 661	03/1986	Europe	/	/	n/a	
	5	EP 1 215 737	06/2002	Europe	/	/	n/a	
	6	JP 1996336967A	12/1996	Japan	/	/	yes	
✓	7	JP 2002252391A	09/2002	Japan	/	/	yes	

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	

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EXAMINER	b. hant	DATE CONSIDERED	1/11/07
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.			



PTO/SB/08 Equivalent

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

SHEET 1 OF 1

Application No.	10/611,401
Filing Date	July 1, 2003
First Named Inventor	Jan Ma et al.
Art Unit	1753
Examiner	Mayekar, Kishor
Attorney Docket No.	SMARB12.002AUS

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
J	1	3,305,825	02-1967	Godbey	
	2	5,370,509	12-1994	Golding et al.	
	3	5,761,782	06-1998	Sager	
	4	5,798,600	08-1998	Sager et al.	
	5	5,947,892	09-1999	Benkowski et al.	
	6	6,080,133	06-2000	Wampler	
	7	6,527,521	03-2003	Noda	
	8	6,592,335	07-2003	Rosefsky	

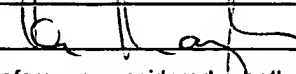
FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹

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Examiner Signature 	Date Considered 01/11/07
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

T¹ - Place a check mark in this area when an English language Translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Multiple sheets used when necessary)</i>	Application No.	10/611,401
	Filing Date	July 1, 2003
	First Named Inventor	Jan Ma et al.
	Art Unit	1753
	Examiner	Kishor Mayekar
SHEET 1 OF 1	Attorney Docket No.	SMARB12.002AUS

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
b	1	6,349,455	02-26-2002	Yun et al.	
b	2	2002-0024270	02-28-2002	Yun et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
b	3	JP 08-336967 A	12-24-1996	Fuji Electric Co. Ltd.		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
b	4	Supplementary European Search Report, EP 04710575, July 20, 2006, 3 pg.	

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Examiner Signature	<i>b Mayekar</i>	Date Considered	1/11/07
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